

Dr. C. E. Larson

AEC Reactor Goes Into N. Y. Display

A small nuclear research reactor, provided by the Atomic Energy Commission, will be installed as the main exhibit in the new Hall of Science building for New York City.

The pool-type training reactor will be the central architectural as well as educational feature of the unique five-level building. The blue glow of the operating core of the 250-kilowatt reactor will be visible beneath the glass stage of an "Atomarium," a 150-seat theater in-the-round.

The building will also feature a 300-seat theater with a rotating stage and a 60-bench lab-amphitheater. It will house various exhibits, laboratories, and areas for research and demonstration in science learning.

Oak Ridge Association Universities, which operates the AEC's domestic exhibits program, has been closely involved in the original planning for the new Hall of Science and in the development of educational programs and exhibits on nuclear energy for the facility.

The reactor is part of a joint program of the AEC and the Hall of Science of the City of New York, Inc., which includes a gamma irradiation facility, nuclear apparatus for educational demonstrations, and other nuclear exhibits which will cover an entire floor. The cost of the reactor plus its initial load of fuel will be approximately \$435,000. The total estimated cost to the AEC for the joint program is \$1.5 million to be spent over several years.

The reactor will be used for demonstration and for instruction and research by colleges in the New York area. Twenty-eight colleges have already indicated they plan to bring some 3,000 students to the reactor annually. The reactor and its laboratories will give many area institutions access to reactor facilities for the first time.

The new building, for which the City of New York has appropriated \$10,800,000, will be erected adjacent to the present Hall of Science structure which was built in 1964 for the New York World's Fair in Flushing Meadows, Queens. Construction is scheduled to begin in August of this year, with completion expected in late 1971.

The Hall of Science, Inc., will operate the reactor which will be purchased from Gulf General

Continued on Page 4

Larson Is Named Fellow In AIC

Dr. C. E. Larson, president of the Nuclear Division, Union Carbide Corporation, has been elected a Fellow of the American Institute of Chemists.

Dr. Larson was notified of his election by Emerson Venable, chairman of the Fellowship Nominations Committee, who said the election was made "after selection and recommendation by the Fellowship Nominations Committee and in appreciation of your professional contributions."

A graduate of the University of Minnesota, he received his PhD degree at the University of California. Dr. Larson has been active in the nuclear energy field for nearly 30 years. Much of this time has been spent in Oak Ridge where he served as director of research and development and then plant superintendent in Y-12. Later he was appointed director of the Oak Ridge National Laboratory.

In 1955 he moved to the New York office as vice president in charge of research for the Carbon Products Division, following which he became associate manager of research for Union Carbide Corporation. He returned to Oak Ridge in 1961 as vice president of the Nuclear Division and was appointed president of the Nuclear Division in 1965.

Members of the American Institute of Chemists Nominations Committee which elected Dr. Larson include: Glenn T. Seaborg, Sidney Kirkpatrick, Lawrence Fleet, Lloyd Hall, Henry B. Hass, Joel Hildebrand, Wayne Kuhn, Carl Marvel, Orville May, Foster D. Snell, Raymond Stevens, J. C. Warner and E. R. Weidlein.

Siren Test Scheduled Sunday Morning At 9

The regularly scheduled siren test is set for Sunday, April 6, at 9 a.m. The test will be the attack warning (the wail of the siren, up and down for three minutes).

Sirens on Building 9201-3, 9996, 9204-4 and 9213 will be tested. The test will encompass "Attack Warning" only.

Employees at work Sunday need not leave their work stations. A voice announcement will be made over the public address system immediately before the tests.

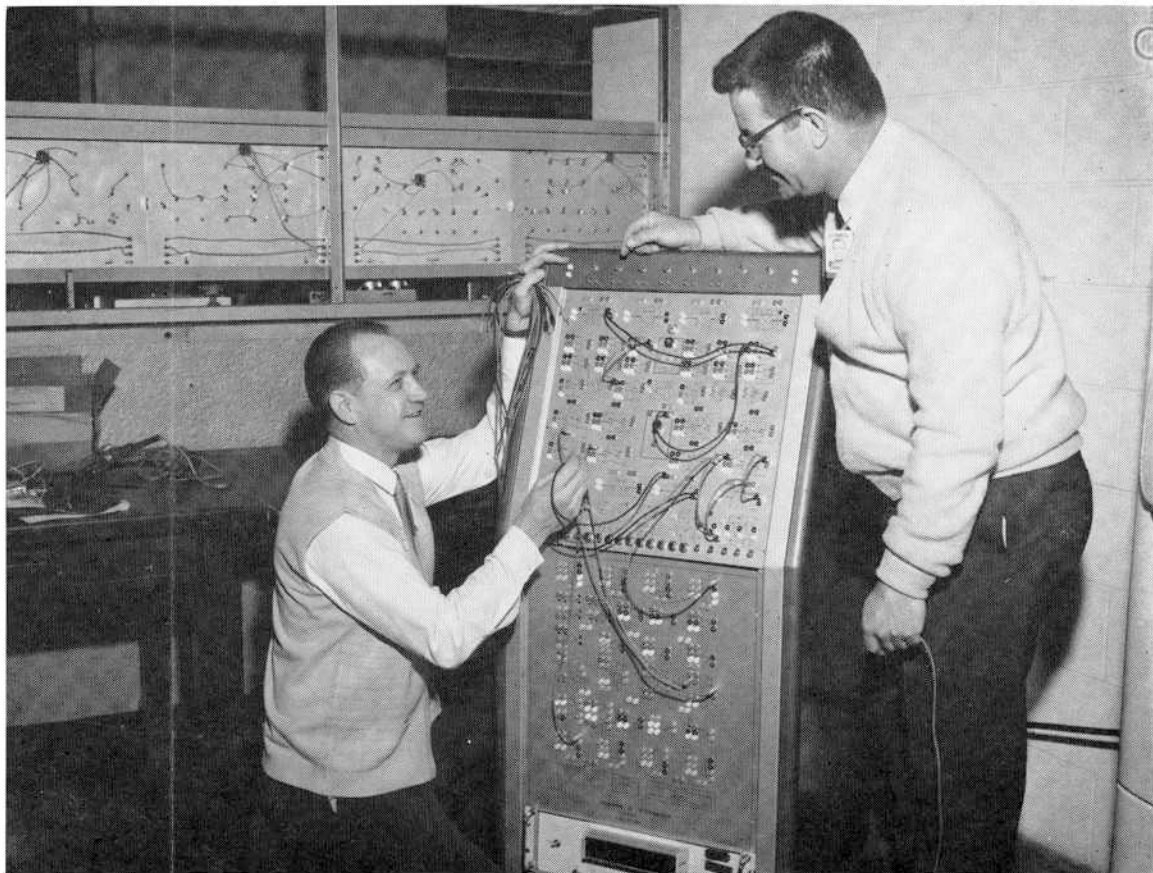
Good Friday Next Y-12 Official Holiday

Friday, April 4 is an official holiday for Y-12ers... their third of the new year, as the Christian world marks Good Friday, in commemoration of the crucifixion of Christ.

Actually, according to the Roman Catholic Church, the death of Christ occurred on April 7, 30 A.D. Good Friday coincides with the beginning of Passover, which is determined by the Jewish Calendar... the 14th day of Nisan. It marks the sparing of the first-born Hebrews by the lamb's blood on the door while the Jews were in captivity in Egypt.

PERFECT PANACEA

It seems everybody you meet has a cure for the common cold... that is, everybody except your doctor.



M. H. REISER, LEFT, AND R. L. LOGUE, retired servicemen working on a masters' degree in industrial education, have constructed a digital computer simulator to be used in training electronic technicians. The small computer was built as part of their participation in the Training and Technology School at Y-12.

ASTME Meeting At Deane Hill Club

The April meeting of the Knoxville-Oak Ridge Chapter of the American Society of Tool and Manufacturing Engineers is set for April 10. It will begin at 6:30 p.m. at Deane Hill Country Club, Knoxville, Thursday, April 10, with dinner at 7 p.m., and the technical meeting at 8.

The topic of discussion is "Isotope Gaging for Process Control." The talk will include some description of the principles involved in beta gages along with some of the interesting and challenging applications in industry, including a view of the economic factors involved. Speaker will be John D. McMillen, advanced systems engineer, Industrial Nucleonics Corporation, Columbus, Ohio.

McMillen received the degrees of BSEE, MSEE and PhD in electrical engineering from Purdue University. He was an electronics engineer with the U.S. Army Signal Research and Development Laboratories, Ft. Monmouth, New Jersey, in 1958-59, and was an instructor in electrical engineering at Purdue from 1960 until 1966. In that year he joined Industrial Nucleonics Corporation as an advanced systems engineer in the new product development department.

All visitors are welcome to attend the April meeting of ASTME.

Pennsylvania's Dreizler Guest Physics Speaker

R. M. Dreizler, University of Pennsylvania, will speak at this week's Physics Division seminar on "A Microscopic View of Collective Motion."

The seminar is set for tomorrow, Thursday, April 3, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

Two Ex-G.I.'s Develop Training Computer Here

Two retired servicemen — an Air Force major and a Navy chief petty officer — have combined their skills in the Training and Technology School in Y-12 to develop an electronic digital computer simulator that can be used to train electronic technicians in computer maintenance.

The men are M. H. Reiser, a veteran of 23 years in the Air Force; and R. L. Logue, who served 20 years in the Navy. Now residents of Knoxville, the men are working on their masters' degrees in industrial education at the University of Tennessee under two-year fellowship grants provided by the U.S. Office of Education.

Part of their work toward a graduate degree involved training in the electronics repair shops and standards laboratories of Y-12, and completion of a demonstration project at TAT. The Y-12 facilities and the special training provided by Union Carbide personnel were made available through an interagency agreement between the Atomic Energy Commission and the U.S. Office of Education.

In only nine weeks the men have developed and constructed a training device that should be helpful to future electronic students seeking to learn the complexities of computer maintenance. Fashioned from surplus parts and electronic circuit boards inherited from past classes, the computer simulator was purposely designed to operate at very low speeds.

According to Reiser, "Some standard digital computers operate at speeds of several million cycles per second. This operating speed usually baffles the new student

trying to understand the operation of the electronic circuitry. We redesigned and rebuilt circuits to slow the computing operation down to about one cycle per second. A light flashes as a new cycle begins, making it easier for the trainee to follow the operation and understand what is happening. As a student learns the basic process, the computer speed can be increased."

Logue said much of the work went beyond the approximately 35 hours per week spent in the TAT school classroom. "We worked at home at nights and on weekends to solve the problems. We found we had to reverse our thinking processes and find ways to slow down a computing operation instead of speeding it up. We received a lot of valuable assistance from Y-12 personnel in finding the spare parts we needed for the computer."

Dr. D. V. Brown, director of UT's Teacher Institute and supervisor of the special fellowship program, said the Reiser-Logue project will be used as a model for other programs involving teachers and graduate students in vocational and industrial education.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
128 Days Or
3,946,000 Man-Hours
(Unofficial Estimate)
Through March 30
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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Guard Ballew Dies At Mother's Home

The sad news of the death of Mr. Harvey J. Ballew, Guard Department, reached the plant recently. Mr. Ballew died at his mother's home in Georgia, Sunday, March 16. He had been in poor health for some time. Mr. Ballew came to Y-12 back in 1944... after working most of his life as a miner in Kentucky and Tennessee.

H. J. Ballew

The Ballew home was at 105 Hamilton Circle, Oak Ridge. Mrs. Ballew died several years ago. He is survived by four sons, Tim Ballew, Jackie Ballew, both of Oak Ridge; Chief Petty Officer J. J. Ballew, U.S. Navy; and Gene Ballew, Detroit, Michigan. A daughter, Mrs. D. G. Noe survives in Riverdale, Georgia. His mother, Mrs. Mattie Ballew, McCaysville, Georgia, also survives along with sisters, Mrs. Louise Beasley and Mrs. Polly Nobles, Orlando Florida; three brothers, Sam Ballew, Orlando; David Ballew and H. T. Ballew, both of McCaysville; and 10 grandchildren.

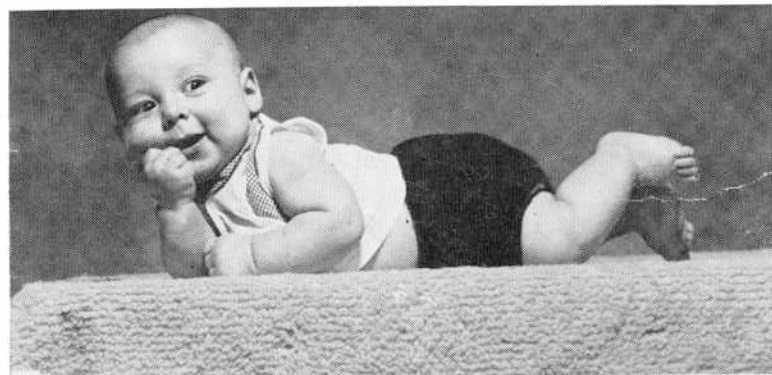
Funeral services were conducted Wednesday, March 19, at 3 p.m. at Martin's Chapel, Oak Ridge, Memorial Gardens.

Sincere sympathy is extended the Ballew family.

Badge Swap Continues 'Til Wednesday, April 9

Badge swapping will continue through next Wednesday, April 9. After 11 p.m. next Wednesday, old blue-bottomed badges will not be honored at the portals.

Exchange your old badge at the self-service racks today... if you haven't already.



WHO CARES WHETHER THE SUN shines or not? I'm just waiting for my Granddaddy Park to come along with that old fishing pole... says five-months-old Randall Duane McWhorter. He's the son of Gordon and Gayle McWhorter... the grandson of W. H. Park, H-2 Shops, and Dot Park, Plant Records.



Many years of Union Carbide Corporation service are marked, as the Spring days fall among us. Congratulations to the following Y-12ers.

25 YEARS

Rosel H. Davis, Laboratory Operations, April 5.

Harvey T. Kite, Development Operations, April 5.

George P. Schaeffer, Process Maintenance, April 7.

20 YEARS

Glenn M. Warren, Tool Grinding Department, April 3.

Charlie F. Hall, Buildings, Grounds and Maintenance Shops, April 4.

15 YEARS

Fletcher E. Morgan, Machine Maintenance, April 2.

Hiram Crutchfield, Dimensional Inspection, April 4.

Marvin F. Hazelwood, 9215 Rolling Mill, April 6.

Chester R. Kennedy, 9766 Machine Shop, April 7.

Burrell E. Henry, Material Control, April 7.

Paul R. Blackwell, Material Specimen Shop, April 7.

Glen L. Lambert, Dimensional Inspection, April 7.

Paul H. Giles, Dimensional Inspection, April 7.

10 YEARS

Carl G. McBee, Buildings, Grounds and Maintenance Shops, April 3.

James W. Price, General Expediting and Auxiliary Services, April 4.

Bernice M. Steed, A-2 Shops, 9212, April 6.

Wayne C. Collette, Tool Engineering, April 7.

Two New Technical Films Now Available

Two new popular level motion pictures on high energy physics are available for free loan from the Atomic Energy Commission here in Oak Ridge.

One film, entitled "People and Particles," shows a research team working on a physics project in a modern high-energy physics laboratory. The film, produced primarily for science students in introductory physics courses, is in black and white and runs 27 minutes.

The second film, "Synchrotron," uses live action and animation in discussing the components and operation of the AEC-sponsored Cambridge Electron Accelerator at Harvard University. The film is in color and runs 14 and one-half minutes.

Both films are available for free loan from the AEC's Motion Picture Film Library.



CLAXTON OPTIMISTS CHOOSE a winner in the recent Speakers' Contest. From left are Harold Fell, Y-12er, president of the Claxton club; Danny Smith, winner; Rand Smith (son of O. T.), second place winner; Danny Potter (son of Ray) . . . and Harold Wentworth, Boys' Work Chairman. The 39 member-Claxton club has many Y-12ers active in befriending the community's boys.

Kite Flying Is Old, Old Sport

Benjamin Franklin was this country's most celebrated kite flyer. But Ben was a relative newcomer to the ancient and honorable sport when he mixed kites, keys and lightning. The Chinese did it, and so did the Egyptians, the Japanese and ancient Greek scientist Archytas.

Through the centuries, kites have found practical—well, nearly practical—application. For example, an Englishman by the name of Georg Pocock who lived in the early 1800's kited himself into fame with a carriage that was powered by a pair of large kites. It moved along at the then phenomenal speed of 20 miles an hour or so. One windy day Pocock actually managed to traverse 113 miles in his wind-blown carriage.

The speed of civilization, though, has begun to interfere with ancient sport. Old Ben was out looking for lightning, but youngsters sometimes learn with tragic consequences that telephone and power lines seem to have an almost magnetic attraction for kites.

With this in mind, the National Safety Council suggests you instruct your youngsters in the following safety procedures:

- Fly kites in a level, open space away from power lines, airports, trees and street traffic.
- If the kite should become entangled in power lines, leave it. It is better to lose a kite than to risk your life.
- Kites should be flown only in dry weather. A wet string may conduct electricity down to the flyer.
- Kite strings should not contain any metallic fibers, tinsel or wire. They conduct electricity, and should the kite become entangled in a power line it could result in death or serious injury.
- Kites should not be flown over radio and television aeriels.
- Don't fly your kite if the wind is freakish or changeable.

BAD, BAD YEAR

An old farmer we know was talking about a drought back in his youth. "Why, it was so bad that year that Ma cooked some corn for dinner and Pa sat down and ate 14 acres at one sitting."

Don't Act Smart—Be Smart.

Claxton Optimists Sponsored Speaking Contest For Community's Youth

Many Y-12ers are active in the Optimist Club of Claxton, a local service club, dedicated to the needs of boys in the community. Most recently, the club was promoting a speaking contest, which is sponsored by the international group of the Optimists.

Youth participating in the program must be 15 years or younger, and must write and deliver their own speeches. Winners this year were Danny Smith, Randy Smith (son of O. T.) and Danny Potter (son of Ray). Other participants include Chuck Fisher, Richard Wentworth, Charles Fritts, and Robert Smith.

The winner and two runners-up received a silver trophy. All participants received a certification of participation. The winner, Danny Smith, advances to the zone contest scheduled for Jellico. If he wins there he will advance to the district and finally international levels of the contest. The international contest will be held in Bal Harbour, Miami, Florida. The international winner receives a \$2,000 scholarship, with his four runners-up winning a \$1,000 scholarship.

The contest was held in the Claxton Elementary School Li-

brary, Saturday, March 8. Sheriff Kenneth Caldwell was present and gave a fine review of how Anderson County criminals are caught.

Optimists voiced satisfaction in the amount of time the boys put into their speeches and congratulated each of them. Their best wishes also go with Danny for his success in Jellico.

Y-12er Harold Fell is president of the Optimist Club of Claxton . . . and Harold Wentworth is Boys' Work Chairman.

Many other Y-12ers are active in various functions which see ball teams, and other activities planned for full participation of the community's young boys.

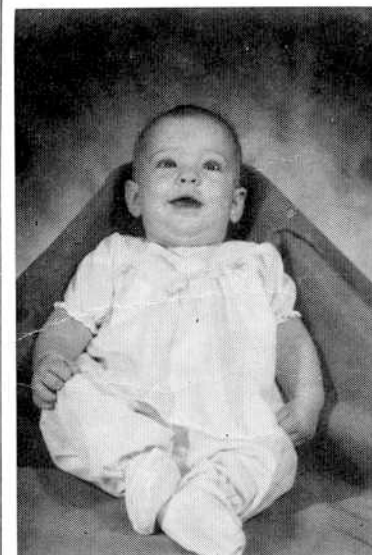
Dr. Hurt Is Guest For ACS Meeting

Dr. Howard B. Hurt, industrial psychologist for Union Carbide, will be the speaker at the Analytical Group of the American Chemical Society's meeting next week. His subject will be "Personal Health and Industrial Responsibility."

The ACS meeting is set at the Oak Ridge Country Club, next Tuesday, April 8, at 7:30 p.m. Dinner reservations are made through Jim Franklin, extension 3-5066. Members who have not made reservations yet should contact Franklin immediately, as reservations are mandatory at next week's meeting.

Pollution Villain Is Really The Auto!

Motor vehicles account for 60.6 per cent of all air pollution! This is in the form of carbon monoxide, oxides of nitrogen, hydrocarbons, sulfur oxides, lead compounds and particulates. Industry accounts for only 16.8 per cent, power plants 14.1 per cent, space heating 5.6 per cent and refuse disposal 3.5 per cent. However, pollution control laws are usually designed to affect industry first and voters second. You can expect to see more restrictive legislation in the future. This means that industry must begin telling the public what it is doing to keep our streams and air clean, that our automobiles are the real villains in this pollution business.



CYNTHIA DYAN REED, born last June 20, to Mr. and Mrs. Tom Reed (he's in Dispatching) is the granddaughter of A. R. McConkey (Accounting and Budget). Pretty, isn't she?

Final Buckets Drop In Basketball

Final action bloomed last week in the Big 18-team Basketball League ... with the Y-12 GBU's the big champs ... with no losses at all.

Monday's play started with the Bums eking by the Ail Stars 37 to 34 ... with Don Forrester's free throws in overtime being the deciding factors ... in an evenly matched contest.

The Bums scored seven points in the over-time period ... the Stars only four.

Lowrey Underwood and Jim Hylton led scoring with 10 and 14 respectively for the winners.

The Beta 2 Miners meted out justice to the Cobols 48 to 33 also Monday ... a close one for three quarters, but a big 20-point outburst by the Miners turned the game into a runaway. Tim Butler contributed a good game in the rebounding department.

The Computes clipped Y-12's CC 69ers in final play Monday 52 to 34 ... in what promised to be a close contest. The hot hands of big Jim Treadwell and Larry Finch spelled the difference. The big 69ers couldn't cope with Treadwell on the boards, as time and time again he raked them clean. Both teams hit 14 field goals apiece but the Computes managed to toss in 24 big points from the charity strptie. (Many games are won or lost on the foul line!)

The GBU's took a forfeit win from the Soul Men.

Tuesday put the Cobols ahead of the Bat Boys 46 to 30. Only five players for the winners for most of the game. (No bench occupants makes the fouling situation a little tricky.) Jim Amburgey and Gary Westley were leaders in the assault. Mike Davis was hitting from the outside to aid the Cobols cause. The Boys mustered a rally in the final period, but it proved too late.

The Quarks started out as if they were going to shut out the Butter Balls with a 20 to 8 lead in the first period ... going on to take the tilt 56 to 49. Ray Leffler tore the nets up in the first half with 20 big points (26 in all) ... and Larry DeRoos tallied 15.

The Guess Who's out-guessed the CC 69ers in final play Tuesday 58 to 44.

The GW team took command and hell-bent on an upset, kept the merry pace all the way, forcing the big 69ers into one mistake after another. (Scorekeepers say, as in black jack ... all mistakes pay the board!) The Guess Who's won handily 58 to 44.

Also Wednesday the Bombers belted the Biomedes 41 to 27, striking early and staying late. For the Bombers it was a well-distributed affair. Big Bill Olsen led the losing squad with 15 points.

The curtain rang down on the GBU's trouncing the Trojans 82 to 53 ... with practically every GBU'er getting into the scoring act. Ron Gamrot ran the gamut with 28 big points.

For the losers it was Churchill Moore with 23.

Come again next year, men!

Final standings follow:

Team	W	L
GBU's, Y-12	17	0
Computes, ORNL	16	1
Bombers, ORNL	13	4
CC 69ers, Y-12	12	5
Biomedes, ORNL	11	6
Beta 2 Miners, Y-12	11	6
Butter Balls, ORNL	10	7
Ail Stars, Y-12	9	8
Quarks, Y-12	9	8
Cavaliers, ORNL	8	9
Isotopes, ORNL	8	9
Carbide Trojans, K-25	7	10
Bums, Y-12	7	10
Cobols, K-25	6	11
Guess Who, ORNL	5	12
Bat Boys, Y-12	3	14
Dagmops, Y-12	2	15
Soul Men, ORNL	0	17



Y-12ERS DOMINATED THE FIRST firings in the Basic Pistol Class which began March 21 at the Oak Ridge Sportsman's Association. Left to right are Troy Burklow, instructor; E. C. William's son Robert; Joe Vannoy; Jo Bratton; James and Carole King; Kathryn Sergeant; Louise and John Scogin; R. L. Smith and T. C. Myhre. This fifth class since the fall of 1967 will be followed by another one starting May 2.

Volleyball Race Narrows Greatly

Four more teams fell from the Volleyball double elimination contest last week ... the Semanon, Metals and Ceramics, Ecobums and K-25 Gashouse Gang all sustained loss number two.

In the losers' bracket it was the Naughts over Metals & Ceramics 15-7 and 15-10. The Set-Ups eliminated the Semanon 15-6, and 15-6. The Defects downed the K-25 Gashouse Gang 15-13 and 15-8 after losing game two 15-8. The Ecobums were knocked 15-9, 15-4 by the K-25 Hawks.

Up in the winners' bracket the Beavers bested the Old Men 15-12, 15-3. The Nemeses blanked the ORAU team 15-2 and 15-1.

Action was slated Monday, Tuesday ... with finals tonight, Wednesday, April 2.

Winstead Fires 259 Single Game!

The Twisters merely added icing to the cake last week in rolling in the Mixed Bowling League ... they took three points from the Goofers, which they didn't need, having cinched the last half title the week before. The Alley Cats blanked the McSprays for four ... and the Hits & Misses took three from the Roses 'N Thorns. Also posting three were the Rollers 'round the Mustangs.

Frank Winstead, Goofers, rolled like a maniac ... singles of 259 scratch, 233 handicap ... and scratch series of 558. His 630 handicap series tied with those of Bill Sahr, Twisters.

Dessie Dorley, Roses 'N Thorns, posted a 182 scratch single ... 235 handicap. Jeri Kobisk, Alley Cats, accounted for a 453 scratch, 588 handicap series.

The Twisters took high singles ... 696 scratch, 867 handicap. The Goofers gained a 1882 scratch series ... while the Rollers rolled a 2355 handicap series.

League standings follow:

Team	W	L
Twisters	44	8
Goofers	33	19
Roses 'N Thorns	29	23
Hits & Misses	27	25
McSprays	26	26
Rollers	21	31
Mustangs	17	35
Alley Cats	11	41

WELL DONE

"For sale ... baker's business ... good trade, large oven. Present owner has been in it for years."

Recreation



Friday, April 4

GOOD FRIDAY: Holiday for Y-12ers.

Saturday, April 5

CRAPPIE RODEO: Blue Springs Dock, Watts Bar Lake, sponsored by E, F, G, H and J Shifts. All Y-12ers Welcome. 6:30 a.m.-4 p.m.

Monday, April 7

BOWLING: C League, League Championship Roll-off. 5:45 p.m., Ark Lanes.

PHYSICAL FITNESS: (For Women): 7:30 p.m., Oak Ridge High School Girls' Gym.

Tuesday, April 8

PISTOL LEAGUE: 6:45 p.m., Oak Ridge Sportsman's Association.

PHYSICAL FITNESS: (For Men): 7:30 p.m., Oak Ridge High School Gym.

CAMERA CLUB: Open House ... Visitors Welcome. 8 p.m. Donora Hall.

Wednesday, April 9

BOWLING: Mixed League, Championship Roll-off, 8 p.m., Ark Lanes.

Thursday, April 10

BOWLING: 5:45 p.m., Classic League Championship Roll-off. Ark Lanes.

ARCHERY: 5, 6 and 7 p.m. Indoor Range, Oak Ridge Sportsman's Association.

Sunday, April 13

SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsman's Association.

Crappie Capers Go Into Final Weekend

And the beat goes on ... E, F, G, H and J Shiftmen are still at it ... in a Crappie Rodeo.

This coming week-end is the final days of the three week-end event, at which all Y-12ers are welcome.

Only crappie will be accepted and they must be caught out of Blue Springs Dock on Watts Bar Lake. Already two week-ends are history in the shifters' fishing contest.

Registration is from 6:30 a.m. to 4 p.m. Saturday or Sunday. Come on out and register and catch a big crappie in this week-end's piscatorial pandemonium.

Big Five, R'Masters Fight C Race Out

The Big Five eked out a one-half point lead in the alley race in the C Bowling League last week ... a photo finish for this league. Now they face the Rollmasters in the position roll-off (which was set for this past Monday).

In last week's play the Rollmasters took four from the Fireballs, the HiLifers wrested four from the Invalids and the Instrument Engineers engineered four away from the Parbustlers. Sharing two were the Big Five and Rounders and the Sunflowers and Badgers. Taking three were the Jokers Five over the Royal Flush.

Bill Ladd, Rollmasters, rolled a 232 scratch game; Roger McGinnis, Instrument Engineers, pushed a 260 handicap single into the books. Ladd's 582 scratch series was high ... and Don Stinnett, Rollmasters, rolled a 674 handicap series.

The Rollmasters rolled team highs all the way ... singles of 921 scratch, 1044 handicap ... series of 2639 and 3008.

League standings follow:

Team	W	L
Big Five	38½	17½
Rollmasters	28	18
Rounders	33	23
Sunflowers	31½	24½
HiLifers	29½	26½
Badgers	29	27
Instrument Engineers	28	28
Parbustlers	25	31
Fireballs	25	31
Jokers Five	25	31
Invalids	18½	37½
Royal Flush	15	41



GREGORY LYNN Duncan is the fine son of the Ernest Lynn Duncans, and the grandson of Ernie Duncan, Mail Department. His other grandfather is Johnny George, Guard Department. Little Greg lives with his parents in Lake City.

Tigers Nail Classic Last Half

The Tigers nailed down the doom of all 15 other teams in the Classic Bowling League last week, smiting the Smelters for four points ... thus becoming undisputed champs in the last half. (They will face the All Stars in the big roll-off next week!)

The other sweeps of the week saw the Cubs by the Swingsters and the Bumpers by the Markers.

Posting three were the Rebels 'round the Screwballs, the All Stars over the Rippers, and the Eightballs by the Has Beens. The Playboys and Pinbusters shared two points.

Sewell Brown, Has Beens, was now on the single count ... rolling like a pro ... 257 scratch, 273 handicap. Wayne Groppe, Rippers, tore out a 623 scratch series ... and Bill Mee, Has Beens, put a 711 handicap series down!

The Has Beens had high singles 948 scratch, 1064 handicap. Their 2712 scratch series was high ... and their handicap series totaled 3060.

League standings follow:

Team	W	L
Tigers	42	14
Pinbusters	32½	23½
Eagles	32	24
Bumpers	31½	24½
Rebels	31	25
All Stars	28½	27½
Has Beens	30	26
Spinters	28	28
Cubs	28	28
Rippers	25½	30½
Smelters	25	31
Markers	24	32
Swingsters	24	32
Playboys	24	32
Screwballs	24	32
Eightballs	19	37

Reimann Takes 1st Hi Power Firings

ORNL's George Reimann started the first firing of the All Carbide High Power Rifle League off with a bang ... firing a fine 468 out of a possible 500 score. Y-12er Jack Huff followed a close second with a 462 and Arvin Quist, ORNL, was third with 461.

A total of 21 riflemen appeared for the initial shoot. April firings will be held April 12 and 26 ... 9 a.m. Saturdays ... and all other firers are welcome.

March Firing Scores:

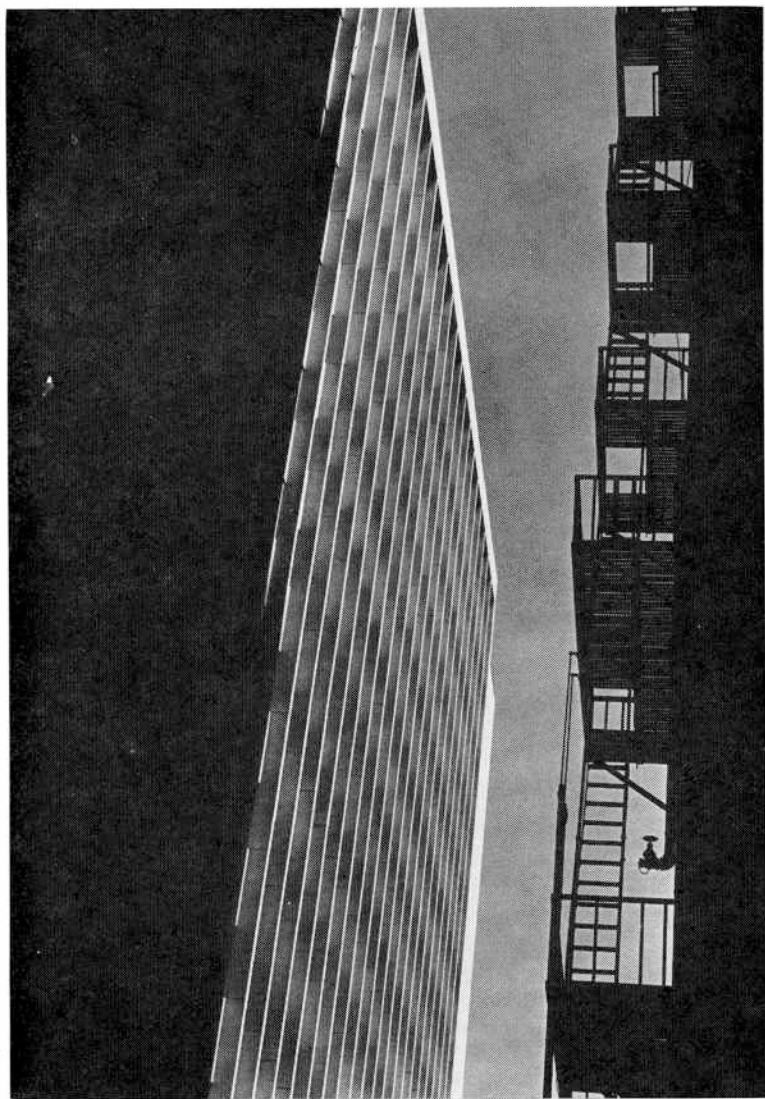
Firer	Score
A. Abbatiello, ORNL	447
Bill Denton, Y-12	445
Ed Scott, Y-12	442
Bill Kelley Jr., Y-12	439
Dick Sears, Y-12	430
Don Kiplinger, ORNL	423
Hugo Bertini, ORNL	418
Jack Mrochek, ORNL	415
Bert Seales, Y-12	406
Jimmy Bell, ORNL	393
Victor Vaughn, ORNL	392
Vic Flower, ORNL	391
Bill Galyon, Y-12	381
Charles Coffee, K-25	361
Vern Raaen, ORNL	337
George Lowe, K-25	313
Bob Damen, K-25	304
George McRae, K-25	282
James Slice, ORNL	269
J. Thomas Adams, Y-12	267
Ed Johnson, Y-12	266



Will join car pool from West Knoxville area, Kingston Woods section, to North Portal, straight day. Tony Pagano, plant phone 3-5376, home phone Knoxville 584-7459.

Ride wanted from Fountain City area, Knoxville, to Bear Creek Portal, straight day. Joe Coleman, plant phone 3-7728, home phone Knoxville 689-3809.

Ride wanted from Highland View section, Oak Ridge, to East Portal, straight day. Linda Richards, plant phone 3-5587, home phone Oak Ridge 482-1760.



'FIRE ESCAPE' A STUDIED black and white print won Stan Liebo, Biology Division, top billing in the Carbide Camera Club's March competition "Houses." April's competition is announced by the club as 'Open,' which means anything goes . . . or at least almost anything.

Carbide Camera Club Open House At Donora Hall Headquarters April 8

The Carbide Camera Club will hold open house for friends and prospective members Tuesday, April 8, at 8 p.m. in its new quarters in Donora Hall (across the Turnpike from the Garden Apartments). Refreshments will be served.

The program is a "must" for both photographers and naturalists. A color slide show consisting of two slide sets assembled by other camera clubs will begin promptly at 8. This program provides an excellent combination of photographic and ecological information. One slide set, prepared by the Photochrome Club of San Francisco, is entitled "Ecology and Survival in Nature" and covers habitats from tidewater pools to alpine meadows. Most of the slides in this show were accepted in the San Francisco International Exhibition, Nature Section, in 1965.

The second slide set, "Nature in Southwest Florida," was prepared by the Fort Myers Camera Club.

April's competition is announced as "Open," so members may enter a photograph on any subject.

Y-12ers and the Biology Division members have captured many prizes in the club's 1969 competitions. Peggy Turner, Biology, took first prize in the color prints category in February's "Oak Ridge, the Bad and the Beautiful," competition; while Bill Harper, Development, placed second in the same category and also took third prizes for both color prints and color slides. Winners in the March competition, "Houses" included Stan Liebo, Biology, who took first and second prizes in the black and white prints category. Bill Harper and Anna Dobbins, also in Development, placed first and second re-

spectively in the color prints category. Peggy Turner took third in color prints . . . while Paul Swenson and Lee Andrews, both in Biology, earned the color slide prizes. Bill Harper, Lee Andrews, Peggy Turner and Stan Liebo were among the members receiving awards for the highest number of cumulative points in the 1968 monthly competitions.

Camera Club officers for 1969 are: A. A. Abbatiello, ORNL employee in Y-12, president; Dick Lorenz, ORNL, vice-president; Peggy Turner, Biology, secretary-treasurer.

EMERGENCY NOTE

What to do before the doctor arrives . . . GO OUT AND BORROW MONEY!



TAMMI MICHELLE BROOKS is the grandchild of Mr. and Mrs. T. C. Brooks, Route 4, Oliver Springs. Brooks is in Maintenance. He is the son of Mr. and Mrs. Jerry M. Brooks, Oak Ridge.

'Barefoot In Park' Tryouts Monday

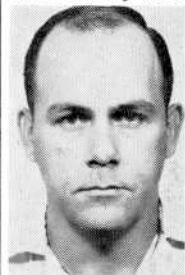
"One of the funniest comedies ever," was the way Life Magazine described Neil Simon's "Barefoot in the Park," a saga of what happens to a pair of newlyweds as they set up housekeeping in a rickety Greenwich Village apartment. The Oak Ridge Playhouse will hold tryouts next Monday, April 7, at 7:30 p.m. for roles which include the wacky young bride, her earnest groom who is trying to cope, the girl's proper mother who is shattered by her daughter's ghastly domestic arrangements, a middle-aged but still looking upstairs gentleman neighbor, and two delivery men.

Roles in Playhouse productions are never pre-cast and auditions are completely open to any interested member of the area. Newcomers are especially invited to attend the readings and either try out or sign up for a backstage crew. Director Paul Ebert will be happy to schedule extra readings for anyone unable to attend on Mondays. He may be contacted on Oak Ridge telephones 483-1224, or 483-6193.

"Barefoot in the Park" had a phenomenal run in New York and is admittedly based on Simon's memories of his first week of marriage. The critics unanimously praised it and audiences flocked to it all over the country. The play will go into rehearsal immediately following the opening of "The Caucasian Chalk Circle" the end of April and will open for a minimum of six performances on Friday, June 6.

R. L. Graham Dies Saturday, March 22

The Ceramics and Plastics Development Department was shocked by the death of Roy Lee Graham, who expired at the Oak Ridge Hospital, Saturday, March 22, from an apparent heart attack.



Mr. Graham, who came here May 4, 1953, was a veteran of the U.S. Army. He had worked in farming here and at Fowler and Brookston, Indiana before hiring into Y-12.

The Graham home was at 731 Fowler Street, Clinton, where Mrs. Bobbie Wormsley Graham, the wife, survives. There are also two children at home, Sherrie and Michael. His parents, Mr. and Mrs. Jake Graham, a sister, Mrs. Catherine Fray; and a brother, Robert Graham, all of Chalmers, Indiana, also survive.

Funeral services were held Tuesday, March 25, at 2 p.m. at the Second Baptist Church, Clinton, with the Reverend Ronald Guthrie officiating. Interment followed in the Anderson Memorial Gardens.

Sincere sympathy is extended to the Graham family.

Speed Often Kills

Speed often kills. When you hurry the preparation of a meal, speed up housecleaning, hasten activities for the children, rush to answer the doorbell or telephone—that's when accidents can easily happen. Make use of household gadgets and devices available to help you save time, reduce hard work. Avoid a tight schedule whenever possible. Plan enough time, take time to make your days more safe and comfortable.



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Permit No. 71

Child In Your Neighborhood Will Probably Swallow A Potential Poison . . . Are You Ready?

Out of every 38 children in your neighborhood who are under five, one will probably swallow a potential poison this year.

The best antidote for these child poisonings, numbering at least half a million each year, is prevention. What do you really know about keeping poisons from ending up in your child's mouth? Test your poison prevention skill in this National Safety Council quiz.

1. Most poisoning accidents occur while adults are supervising children? True or False?

Answer: **True.** A four year study of poisoning accidents at the New York City Poison Control Center found in 72.6 percent of the child poisoning that youngsters were being supervised by adult family members. Generally, the accident happened when the adult went to another room, frequently to answer the door or telephone.

This does not mean that supervision is worthless. It does indicate that you should put poisonous products in locked cabinets or move them to shelves too high for children to reach. It also means that you should not leave a child alone with a poisonous product—even for a moment.

2. How many poisonous household substances are there?

a) 500 b) 10,000 c) 250,000

Answer: It is estimated that 250,000 products sold for home use, depending on the amount consumed, can poison. These range from automatic dishwasher detergents to furniture polishes to drain and bowl cleaners to pesticides.

Since there are so many poisonous substances, teach your children as soon as they can talk to ask first before putting anything foreign into their mouths.

3. What products are most often involved in accidental child poisonings?

a) Insecticides b) Aspirin c) Household cleaning products

Answer: **Aspirin** is the specific product most often involved in child poisonings. Household cleaning products are second, and insecticides are third.

Parents should take particular care in storing aspirins. Lock them up when they are not in use or fasten adhesive tape to the stopper and down the sides of the bottle. When giving your child baby aspirin or other medicines, never refer to them as "candy."

4. Which pesticide will not poison humans if ingested?

a) Pyrethrum b) Crabgrass killer c) Ant bait

Answer: **Pyrethrum**, because it consists of a species of dried chrysanthemums, is not poisonous. It's safest to buy nonpoisonous insecticides or pesticides like pyrethrum but it's not always practical. If you must buy strong pesticides, buy only what you can use immediately so that you can avoid storing the product. Use the pesticide according to manufacturer's directions. Keep children away when spraying and dusting with pesticides.

5. Which of these parts of common garden plants are poisonous?

a) Daffodil bulbs
b) Larkspur seeds
c) Lily of the valley flowers
d) Jasmine berries

Answer: **All** these garden plant parts can poison. They are a few of 700 or more plants that have caused accidental poisonings. The National Safety Council estimates that about 12,000 children each year eat potentially poisonous plants. The best preventive measure is to keep young children away from plants and teach them not to chew plant stems or put plant parts, such as berries, in their mouths.

6. What's the best place to store leftover pesticide or other poisonous household products?

a) Empty pop bottles
b) Original product containers
c) Empty food jars

Answer: **Improper** containers for poisonous substances often lead to improper use of these poisons. The New York Poison Control Center found in 36.7% of the poisonings investigated that the poisonous agent swallowed was not in its original container. These transferred poisons were generally household products such as bleaches and insecticides, rather than medicines.

To a child a soft drink bottle or food jar means something to eat.

7. There is an antidote available for every type of poisoning. True or false?

Answer: **False.** Unfortunately, there are only a handful of specific and effective antidotes. Lacking specific antidotes, the most effective first aid is rapid elimination of the toxic substance before it is absorbed.

However, do not induce vomiting if the product contains a petroleum distillate, such as lighter fluid or furniture polish, or a corrosive, such as drain cleaners. Vomiting should not be induced if a child is unconscious or convulsing.

If your child does swallow a questionable substance, contact your physician or the emergency room of your local hospital immediately. Save the poison's container and a sample of the substance to show the doctor. It is also good to have the phone number of your local poison control center. Your doctor can give you the number if it is available in your state.

Young children often explore their environments with their mouths. It's your job to see that this taste testing doesn't prove fatal.

AEC Reactor . . .

Continued from Page 1
Atomic, San Diego, California. Hall of Science, Inc., was given custody of the present Hall of Science building which is operating as an exhibit hall on an interim basis.

OPEN HEARTED

About the only things a child will share willingly are communicable diseases and his mother's age.